FIG. 1A
(PRIOR ART)

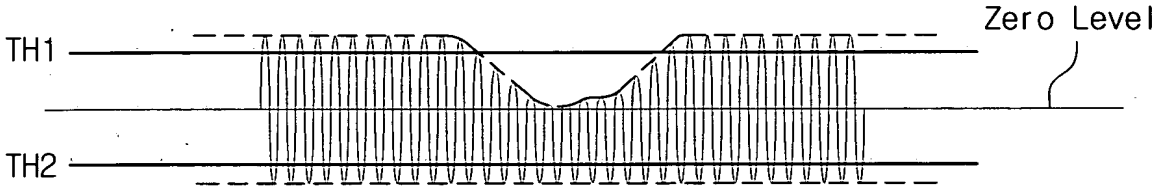


FIG. 1B
(PRIOR ART)

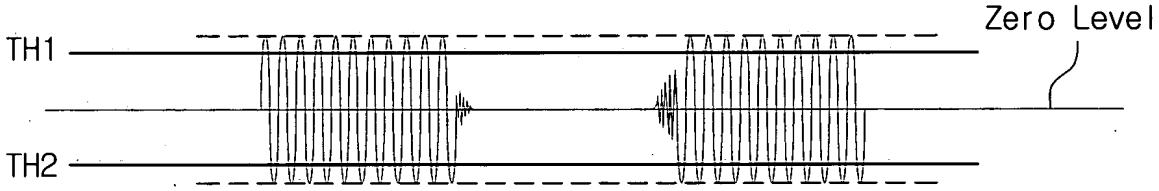


FIG. 1C
(PRIOR ART)

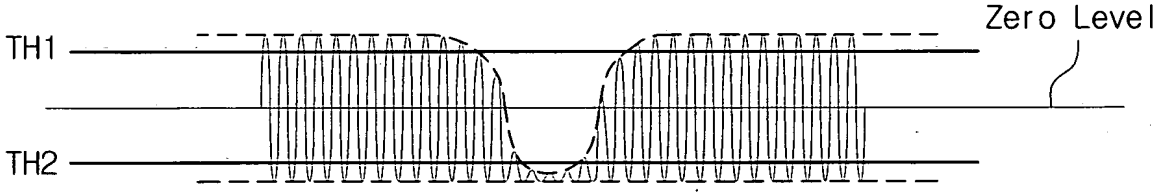
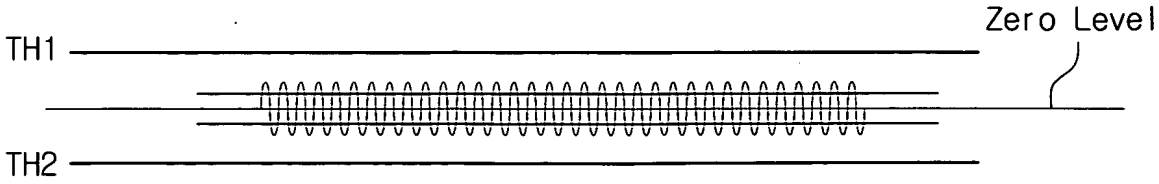


FIG. 1D
(PRIOR ART)



Eun-jin RYU Q76623
DEFECT SIGNAL DETECTING APPARATUS FOR OPTICAL RECORDING/REPRODUCING APPARATUSAND DEFECT....
Filing Date: October 08, 2003
Darryl Mexic 202-293-7060
2 of 1

FIG. 2
(PRIOR ART)

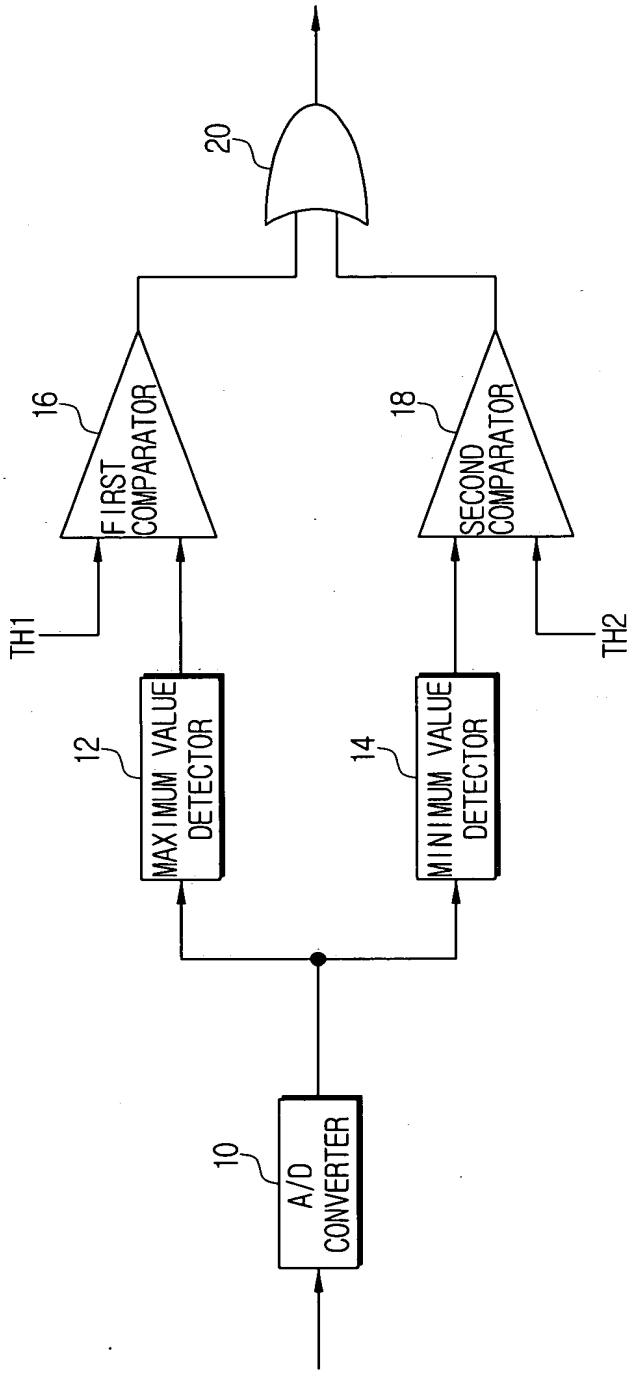
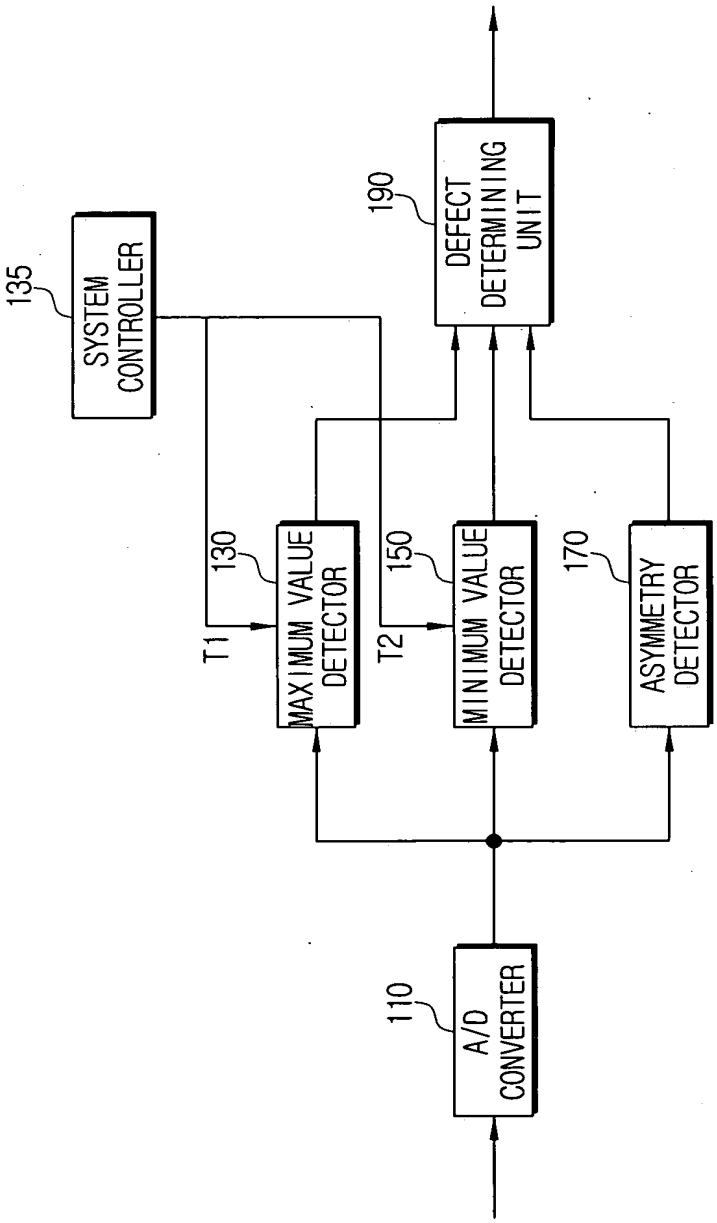
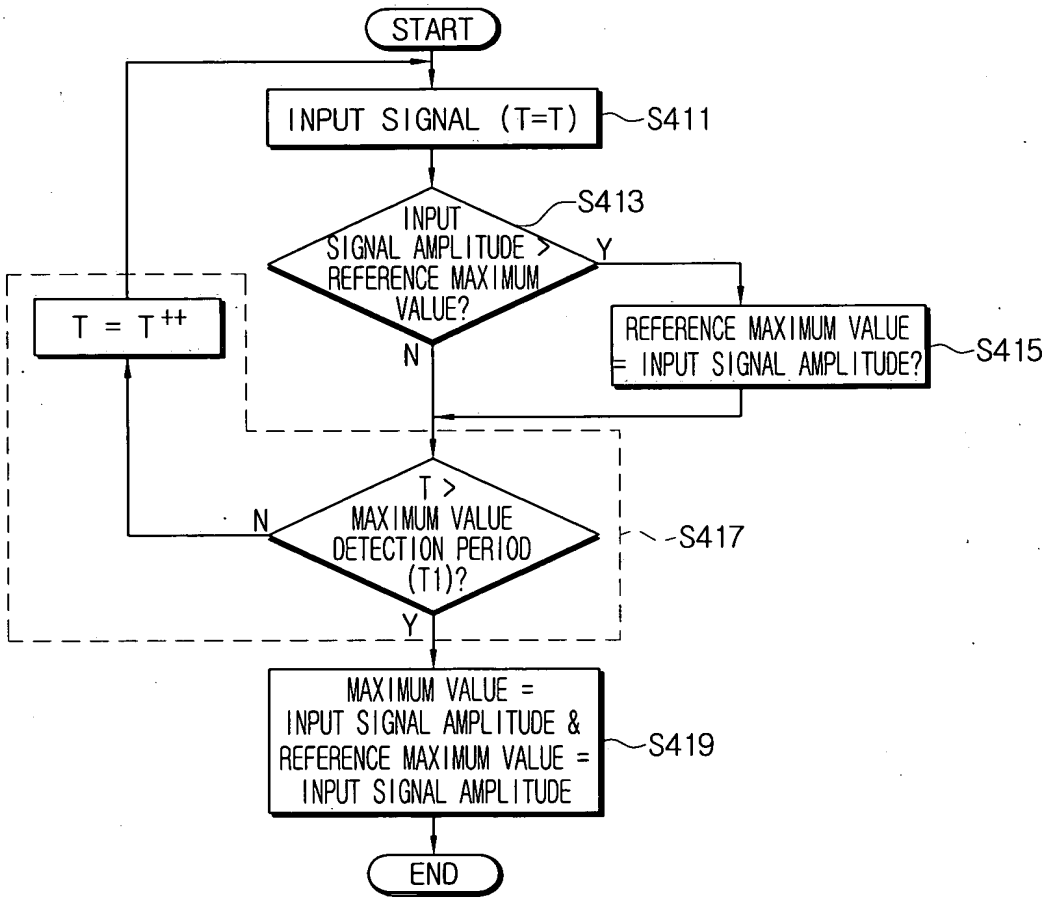


FIG. 3


135
SYSTEM CONTROLLER
190
DEFECT DETERMINING UNIT
130
MAXIMUM VALUE DETECTOR
150
MINIMUM VALUE DETECTOR
170
ASYMMETRY DETECTOR
T1
T2
110
A/D CONVERTER

Eun-jin RYU Q76623
DEFECT SIGNAL DETECTING APPARATUS FOR OPTICAL RECORDING/REPRODUCING APPARATUSAND DEFECT....
Filing Date: October 08, 2003
Darryl Mexic 202-293-7060
4 of 1

FIG. 4



Eun-jin RYU Q76623
DEFECT SIGNAL DETECTING APPARATUS FOR OPTICAL RECORDING/REPRODUCING APPARATUSAND DEFECT....
Filing Date: October 08, 2003
Darryl Mexic 202-293-7060
5 of 1

FIG. 5

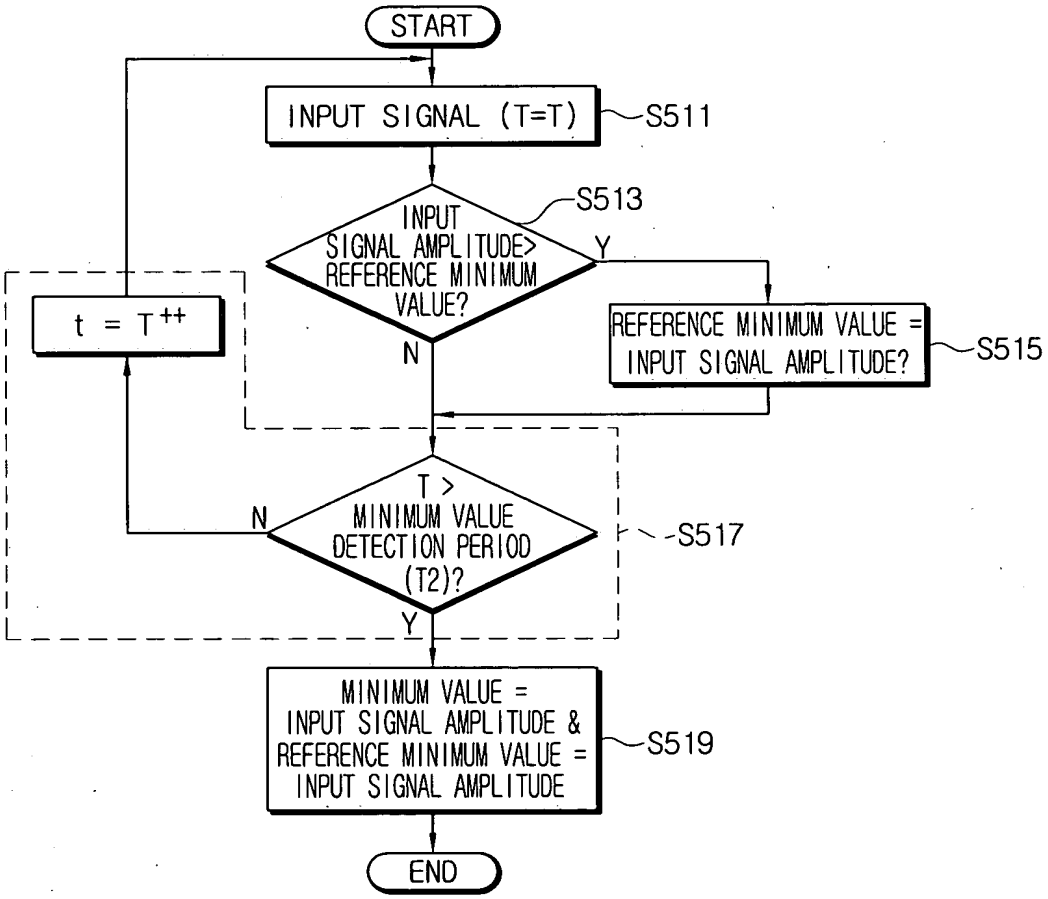


FIG. 6

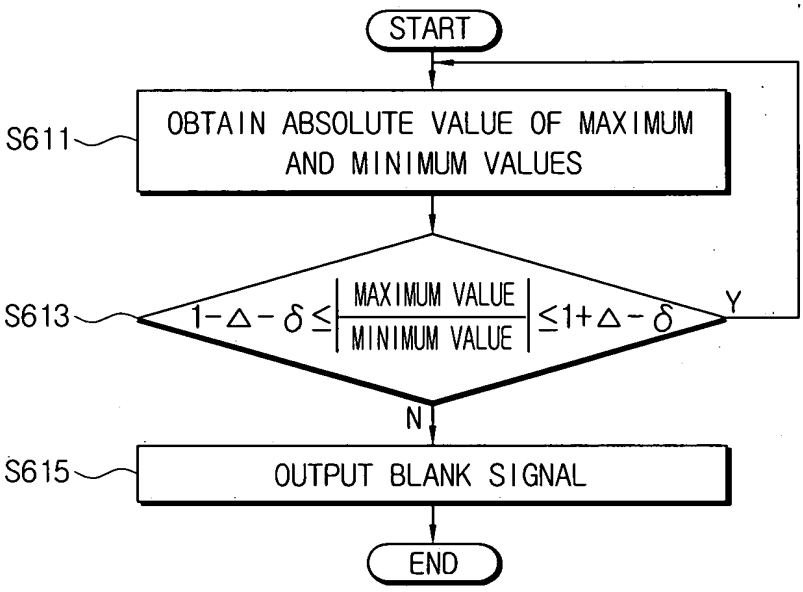
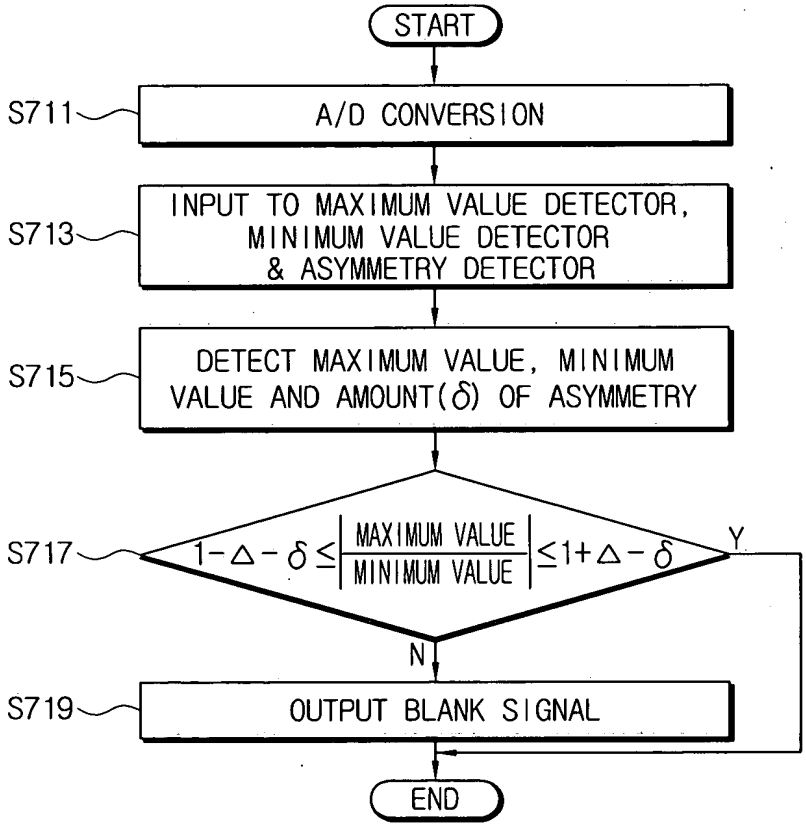

START
S611
OBTAIN ABSOLUTE VALUE OF MAXIMUM AND MINIMUM VALUES
S613
$1-\Delta-\delta \leq \left| \frac{\text{MAXIMUM VALUE}}{\text{MINIMUM VALUE}} \right| \leq 1+\Delta-\delta$
Y
N
S615
OUTPUT BLANK SIGNAL
END

FIG. 7


START
S711
A/D CONVERSION
S713
INPUT TO MAXIMUM VALUE DETECTOR, MINIMUM VALUE DETECTOR & ASYMMETRY DETECTOR
S715
DETECT MAXIMUM VALUE, MINIMUM VALUE AND AMOUNT(δ) OF ASYMMETRY
S717
1-Δ-δ≤|MAXIMUM VALUE / MINIMUM VALUE|≤1+Δ-δ
Y
N
S719
OUTPUT BLANK SIGNAL
END